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## WHAT IS CLAIMED IS:

A method for providing redundancy for a card in chassis, the method comprising:

providing first and second/cards in a chassis, each card having an output node connectable to a common bus and each having a respective input node;

providing a facilitator/ card in the chassis, the facilitator card having an input node connectable to the common bus and an output node connectable to the input node;

connecting the input mode of the second card to the output node of the redundancy facilitator card; and

connecting the input/node of the first card to the associated output node / of the first card, coupling the input node of the first card to the input node of the second card to provide redundancy for the first card.

- The method of Claim 1, wherein connecting the input node of the second card to the output node of the 20 redundancy facilitato‡ card comprises connecting the input node of the second card to the output node of the facilitator card by a cable.
- 25 3. The method/of Claim 2, wherein the cable is an amphenol twenty-five pair cable.
- The method of Claim 1, wherein connecting the input node of the first card to the associated output node of the first card comprises connecting the input 30 node of the first card to the output node of the first

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card after determining that a failure has occurred in the first card.

- 5. The method of Claim 1, wherein the first card is a line card.
  - The method of Claim 1, wherein the first card is a network interface card.
- The method of Claim 1, wherein connecting the 10 input node of the second card to the output node of the facilitator card comprises conne $\phi$ ting the input node of the second card to the output / node of the redundancy facilitator card by a cable 4nd a pair of interface interface connectors disposed on a 15 connectors, the backplane of the chassis.
  - The method of Claim 1, wherein the first and second cards each comprise dircuitry operable to perform a desired telecommunication function and wherein the first and second cards each/comprise a switch operable to selectivity connect the input node of the card to either the output node or the circuitry of the card.
- 9. The method of Claim 1, wherein connecting the 25 input node of the second card to the output node of the facilitator card further comprises connecting the input node of the second card to a first interface connector located on a backplane of the chassis and connecting the output node of the facilitator card to a second interface 30 connector located on the backplane.

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- The method of Claim 9, wherein connecting the input node of the second card to the output node of the facilitator card further comprises connecting the first interface connector to the second/interface connector by a cable.
- The method of Claim 10, wherein the cable is a twenty-five pin amphenol cable.
- The method of Claim 9, wherein connecting the input node of the second tard to the output node of the facilitator card further/comprises connecting the first interface connector to the second interface connector by conductors formed on the backplane.
- The method otin f Claim 1, wherein a portion of the common bus is formed/on a backplane of the chassis.

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14. A method for facilitating testing of subscriber lines, the method comprising:

providing first and second cards/in a chassis, each card having an output node connectable to a common bus and each having a respective input node;

providing a test card in the chassis, the test card having an input node connectable to the common bus, an output node, and test circuitry;

connecting the input node of the second card to the output node of the test card;

connecting the input node  $\phi f$  the first card to the associated output node of the first card; and

connecting the input node of the test card to the test circuitry, thereby coupling the input node of the first card to the test circuitry.

- The method of Claim 14, wherein connecting the input node of the second card to the output node of the test card comprises connecting the input node of the second card to the output node of the test card by a cable.
- The method of /Claim 15, wherein the cable is an amphenol twenty-five pair cable.
- 17. The method of Claim 14, wherein the first card is a line card.
- 18. The method of Claim 14, wherein the first card is a network interface card. 30

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- The method of Claim 14, wherein connecting the input node of the second card to the output node of the test card comprises connecting the input node of the second card to the output node bf the test card by a cable and a pair of interface c $\phi$ nnectors, the interface connectors disposed on a backplane of the chassis.
- The method of Claim 14, wherein the first and second cards each comprise circuitry operable to perform a desired telecommunication function and wherein the first and second cards each comprise a switch operable to selectivity connect the input/ node of the card to either the output node or the circuitry of the card.
- The method of Claim 14, wherein connecting the 15 21. input node of the second card to the output node of the test card further comprises connecting the input node of the second card to a first interface connector located on a backplane of the chassis and connecting the output node 20 of the test card to a second interface connector located on the backplane.
- The method of Claim 21, wherein connecting the input node of the second card to the output node of the domprises connecting 25 card further test the interface connector to the second interface connector by a cable.
- The method of Claim 22, wherein the cable is a twenty-five pin amphehol cable. 30

- 24. The method of Claim 21, wherein connecting the input node of the second card to the output node of the test card further comprises connecting the first interface connector to the second interface connector by conductors formed on the backplane.
- 25. The method of Claim 14, wherein a portion of the common bus is formed on a backplane of the chassis.

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26. An apparatus comprising:

having a p\u00e7urality of slots chassis backplane;

first and second telecommunications cards disposed in respective ones of the plurality of slots, the first and second cards each having:

> an input node; an output node; card logic; and

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a switch operable to selectively connect the input node of the card to either the output node of the card or the  $\phi$ ard logic;

a facilitator card disposed in one of the plurality of slots, the facilitator card having an input node, an output node, and # first connector operable to connect the input node of /the facilitator card to the output node of the facilitator card;

wherein the backplane comprises a bus connected to the output nod $\phi$ s of the first and second cards and the input node of the facilitator card; and

a second/connector connecting the output node of the facilitator  $\phi$ ard to the input node of the second card.

The apparatus of Claim 26, wherein the second connector/comprises a cable.

The apparatus of Claim 27, wherein the second connector further comprises a pair of interface connectors.

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- The apparatus of Claim 26, wherein the second comprises amphenol twenty-five connector pin an connector.
- 30. The apparatus of qlaim 26, wherein the first connector comprises a switch,
  - The apparatus of Claim 26, wherein the first connector comprises a conductor connecting the input node the facilitator card to the output node of the facilitator card.
  - 32. The apparat/us of Claim 30, wherein the facilitator card further comprises test circuitry and the switch is further  $\phi$ perable to selectively connect the input node of the facilitator card to the test circuitry.
  - The apparatus of Claim 26, wherein the first and second cards /each comprise line cards.
  - The apparatus of Claim 26, wherein the first and second cards each comprise network interface cards.

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35. An apparatus comprising:

a first card disposed in a chassis, the first card having an input node and an output node;

a second card disposed in a chassis, the second card having an input node;

a means for selectively connecting the input node of the first card to the output node of the first card; and

a means for connecting the output node of the first card to the input node of the second card.

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36. The apparatus of Claim 35, wherein the first and second cards each comprise a line card.

37. The apparatus of Claim 35, wherein the first and second cards each comprise a network interface card.